

# OpcDataTypeNode Members

**Namespace:** Opc.UaFx

**Assemblies:** Opc.UaFx.Advanced.dll, Opc.UaFx.Advanced.dll

The [OpcDataTypeNode](#) type exposes the following members.

## Constructors

### OpcDataTypeNode(OpcNodeId, OpcName)

Initializes a new instance of the [OpcDataTypeNode](#) class accessible by the **name** and **id** specified.

**C#**

```
protected OpcDataTypeNode(OpcNodeId id, OpcName name)
```

#### Parameters

**id** [OpcNodeId](#)

The [OpcNodeId](#) through that the new data type node can be identified and accessed.

**name** [OpcName](#)

The [OpcName](#) through that the new data type node can be accessed.

## Properties

### TypeInfo

**C#**

```
public virtual OpcDataTypeInfo TypeInfo { get; }
```

#### Property Value

[OpcDataTypeInfo](#)

## Methods

### Create(Type)

Creates a new [OpcDataTypeNode](#) used to represent the type specified by **dataType**.

**C#**

```
public static OpcDataTypeNode Create(Type dataType)
```

## Parameters

**dataType** Type

The type of data to represent.

## Returns

OpcDataTypeNode

A new instance of the [OpcDataTypeNode](#) initialized with defaults determined by the global data type system and the **dataType** specified.

## Exceptions

[ArgumentNullException](#)

The **dataType** is a null reference (Nothing in Visual Basic).

[ArgumentException](#)

The **dataType** specified is not a supported data type.

# Create(Type, OpcNodeId)

Creates a new [OpcDataTypeNode](#) used to represent the type specified by **dataType** which can be identified by the **id**.

## C#

```
public static OpcDataTypeNode Create(Type dataType, OpcNodeId id)
```

## Parameters

**dataType** Type

The type of data to represent.

**id** OpcNodeId

The [OpcNodeId](#) through that the new data type node can be identified and accessed.

## Returns

OpcDataTypeNode

A new instance of the [OpcDataTypeNode](#) initialized with defaults determined by the global data type system and the **dataType** respecting the **id** specified.

## Exceptions

### ArgumentException

The `dataType` specified is not a supported data type.

### ArgumentNullException

The `dataType` is a null reference (Nothing in Visual Basic).

## Create(Type, OpcNodeId, OpcName)

Creates a new `OpcDataTypeNode` used to represent the type specified by `dataType` which can be identified by the `id` and `name`.

### C#

```
public static OpcDataTypeNode Create(Type dataType, OpcNodeId id, OpcName name)
```

## Parameters

### `dataType` Type

The type of data to represent.

### `id` OpcNodeId

The `OpcNodeId` through that the new data type node can be identified and accessed.

### `name` OpcName

The `OpcName` through that the new data type node can be accessed.

## Returns

### OpcDataTypeNode

A new instance of the `OpcDataTypeNode` initialized with defaults determined by the global data type system and the `dataType` respecting the `id` and `name` specified.

## Exceptions

### ArgumentException

The `dataType` specified is not a supported data type.

### ArgumentNullException

The `dataType` is a null reference (Nothing in Visual Basic).

## Create<T>()

Creates a new `OpcDataTypeNode` used to represent the type specified by `T`.

## C#

```
public static OpcDataTypeNode Create<T>()
```

### Returns

[OpcDataTypeNode](#)

A new instance of the [OpcDataTypeNode](#) initialized with defaults determined by the global data type system and the **T** specified.

### Exceptions

[ArgumentException](#)

The **T** is not a supported data type.

## Create<T>(OpcNodeId)

Creates a new [OpcDataTypeNode](#) used to represent the type specified by **T** which can be identified by the **id**.

## C#

```
public static OpcDataTypeNode Create<T>(OpcNodeId id)
```

### Parameters

**id** [OpcNodeId](#)

The [OpcNodeId](#) through that the new data type node can be identified and accessed.

### Returns

[OpcDataTypeNode](#)

A new instance of the [OpcDataTypeNode](#) initialized with defaults determined by the global data type system and the **T** respecting the **id** specified.

### Exceptions

[ArgumentException](#)

The **T** is not a supported data type.

## Create<T>(OpcNodeId, OpcName)

Creates a new [OpcDataTypeNode](#) used to represent the type specified by **T** which can be identified by the **id** and **name**.

**C#**

```
public static OpcDataTypeNode Create<T>(OpcNodeId id, OpcName name)
```

**Parameters**

**id** [OpcNodeId](#)

The [OpcNodeId](#) through that the new data type node can be identified and accessed.

**name** [OpcName](#)

The [OpcName](#) through that the new data type node can be accessed.

**Returns**

[OpcDataTypeNode](#)

A new instance of the [OpcDataTypeNode](#) initialized with defaults determined by the global data type system and the **T** respecting the **id** and **name** specified.

**Exceptions**

[ArgumentException](#)

The **T** is not a supported data type.



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